

## How to Authorize and Install a Student Copy of ArcGIS 10.4.x via the UCI Network

Following are instructions for installing ArcGIS 10.4.x software on computers owned by *students of the University of California, Irvine*. The student copy of ArcGIS requires a unique *Authorization Number* which is distributed to students only. Professors and staff members who want to install ArcGIS must purchase their software license from OIT via the OIT Help Desk (oit@uci.edu).

The “student copy” (or student trial or student license) of ArcGIS is actually identical to the full-capacity, professional copy of ArcGIS which is distributed to faculty and staff. The student copy is simply limited in its distribution to students.

Your personal, unique *Authorization Number* (see Step 1, below) is good for one year and opens all functionality within core ArcGIS, though some extensions which are co-authored with third parties may not be available. Also, your *Authorization Number* can only be used once even on your own computer. If, for any reason, you need to reinstall ArcGIS you will need to acquire a new *Authorization Number* and then proceed with the authorization via the Internet before installing ArcGIS again.

Please email any problems you encounter with the OIT software download process to the OIT Help Desk (oit@uci.edu).

### 1. Before you install ArcGIS for Desktop

- Check your computer’s [system requirements](#) to make sure your computer has the hardware and software required to use ArcGIS software.
- If you have not already, install the [Microsoft .NET Framework](#) (version 3.5 Service Pack 1 or higher).
- Acquire a unique, personal ArcGIS software *Authorization Number* from your GIS professor or (again, *for UC Irvine students only*) from Tony Soeller ([tsoeller@uci.edu](mailto:tsoeller@uci.edu)) in the UCI Office of Information Technology.
- Visit [www.esri.com/StudentEdition](http://www.esri.com/StudentEdition) to activate your *Authorization Number* for ArcGIS software. You must do this before installing ArcGIS otherwise ArcGIS will fail to install properly.

At that web site, click the button to login using your existing *Esri Global Account* or, if necessary, sign-up for a new *Esri Global Account*.

Enter your *Authorization Number* and click *Activate ArcGIS*.

In the next window click *ArcGIS 10.4.x for Desktop*. Doing so activates your *Authorization Number*.

In the next window you are presented with instructions on how to download and install ArcGIS 10.4.x from the Esri web site. Stop there for a moment. You can download from Esri, if you choose, or you can proceed with the instructions below to install ArcGIS directly from the OIT software repository (recommended). Downloading from the Esri web site requires a large file download, unzipping that file to a temporary folder location, and then installing the software

from that temporary location to the software's final location. That's just more work and potentially leaves some large unnecessary files on your computer once the installation is completed. By using the OIT software repository, only the files you need to run ArcGIS are installed. If you choose to download from the Esri web site you don't need to follow any further instructions in this document. However, do take a look at Step 4 and Final Notes, below.

- **Downloads from the OIT software repository are not available from some access points**
  - This ArcGIS installation *will probably not work* if you are trying to download the software from *off the main Irvine campus*. (Your IP number must start with **128.200** or **128.195**.) This is because most ISPs will not allow the unencrypted SMB protocol to traverse their networks due to security risks. However, the installation *should* work if you first establish a Virtual Private Network (VPN) to UCI (visit <http://www.oit.uci.edu/vpn/>).
  - For the same reason, this installation *will not work* if you try to download using a campus *wireless network*, unless you first establish a VPN to UCI.

## 2. Connect to the ArcGIS installation materials over the network

- Close down all Windows programs running on the Desktop.
- Right-click on the **My Computer** icon, which should be visible on your Windows Desktop and select the **Map Network Drive** entry.

Alternatively, open Windows Explorer, and select **Map Network Drive** from the **Tools** menu.

- Select an unused Drive letter (Z: for example).
- Enter the following info in the **Folder** window: [\\software.oit.uci.edu\software] (without the square brackets) then click **Finish**. The *Connect to software.nacs.uci.edu* dialog opens.
- In the *Connect to software.nacs.uci.edu* dialog, enter the user name [software] and password [install] (without the square brackets) then click **OK** to complete the login.
  - If a browser window does not open, make sure you have spelled the connection information correctly.
  - If it still doesn't open, open **My Computer**. Under *Network Drives*, double-click on the network drive you established above. You should see folders with software names.
  - If it *still* doesn't open, contact the OIT Help Desk at x4-2222.
- Once the connection completes, navigate to the folders in the order **ArcGIS → ArcGIS 10\_4\_x → Desktop**.

## 3. Run the ArcGIS installation program

- Within the **Desktop** folder, start the ArcGIS installer by double-clicking on the ESRI application file **Setup.exe**. The *ArcGIS for Desktop* dialog appears with various ArcGIS software options listed.

**NOTE:** During the installation of ArcGIS software you do not need to—and *should not*—install the **ArcGIS License Manager** even though the license manager software is available in the *ArcGIS for Desktop* dialog. Instead, you will employ the *Authorization Number* that you have been given.

- If you are currently running a version of ArcGIS prior to version 10.1 then, under *Uninstall ArcGIS Software prior to ArcGIS 10.1* click *Run Utility*. Follow the instructions for removing a version of ArcGIS prior to version 10.1.

If, instead, you are currently running version 10.1, or have uninstalled any earlier version of ArcGIS, click *Setup* next to the **ArcGIS for Desktop** item to proceed with the installation. (If version 10.1 is installed you will be prompted to uninstall it before proceeding.)

- The *Welcome to the ArcGIS 10.4.x for Desktop Setup program* dialog appears. Click **Next**.
- The *License Agreement* dialog appears. If you agree to the license terms, select *I accept the license agreement* then click **Next**. (One of the important items in this agreement is that through UCI's software site license, ArcGIS licenses distributed to UCI faculty/staff/students cannot be used for profit.)
- The *Select Installation Type* dialog appears. Select **Complete**. Click **Next**.
- The *Destination Folder* dialog appears. Click **Next**.
- The *Python Destination Folder* dialog appears. Click **Next**.
- The *Ready to Install the Program* dialog appears. On this dialog you have the choice to participate in the Esri User Experience Improvement program. Click **More Information** to read about the Improvement program. Leave the check box checked if you want to participate. Then click **Install**.

The ArcGIS application installer will be invoked and ArcGIS software will be installed over the next twenty minutes or more. Once the installation is complete you will see a dialog that says *ArcGIS 10.4.x for Desktop has been successfully installed*. Click **Finish**.

- The *ArcGIS Administrator Wizard* opens and prompts you to choose a product to authorize. Select **Advanced (ArcInfo) Single Use** and click *Continue*.
- Under *Launch the Authorization Wizard for Single Use products* click **Authorize Now**.
- For *Authorization Options* choose **I have installed my software and need to authorize it** and click **Next**.
- For *Authorization Method* choose **Authorize with Esri now using the Internet** and click **Next**.
- In the next two dialogs enter the required **Authorization Information**.

- The Authorization Wizard will then prompt you for your *Authorization Number*. Enter your activated *Authorization Number* (the one that you entered using your Esri Global Account, earlier) and click **Next**.
- For *Authorize Software Extensions* choose **I have authorization number(s) to authorize one or more extensions**. Paste the same authorization number, as above, into each of the boxes under *Authorization Number* and click **Next**. The authorization process will then proceed via the Internet. Once authorization is completed click **Finish**. This completes your installation of ArcGIS.
- Click **OK** to close the *ArcGIS Administrator*.
- Close the *ArcGIS for Desktop* software installation dialog. You can now use ArcGIS.
- To open **ArcMap** go to *Start > All Programs > ArcGIS > ArcMap 10.4.x*.

#### 4. Download GIS base map data files (optional)

Esri provides numerous GIS base map data files via ArcGIS Online which you can use in your ArcMap applications. To do so in ArcMap, click *File > Add Data > Add Data from ArcGIS Online*. In the dialog which opens, you can search for specific data themes. When you find a viable data product click *Add* in the data summary window to load the data into your ArcMap session.

#### 5. Disconnect from the network

Disconnect the Network drive by right-clicking the **My Computer** icon on your desktop and selecting the *Disconnect Network Drive* item (or select this option from the **Tools** menu of **Windows Explorer**). Highlight the `\\software.oit.uci.edu\software` entry and click **OK**.

#### Final Notes

##### When some ArcToolbox tools appear not to be available

When running the **ArcMap** module of ArcGIS, a common problem new users experience is that some functions within ArcMap's **ArcToolbox** (opened via the red toolbox icon at the top of ArcMap) are unavailable or *grayed out*. Almost always that means that a specific ArcGIS software "extension" has not been activated within ArcMap. If that problem occurs, go to the top of ArcMap and click *Customize > Extensions...* then click-on the checkbox next to the specific Extension which you need for your analysis.

##### Useful links

ArcGIS Help 10.2

<http://resources.arcgis.com/en/help/main/10.2/index.html#//00qn0000001p000000>

Esri support for the Student Copy of ArcGIS Desktop is available at [esri.com/trialhelp](http://esri.com/trialhelp).